WHAT IS CLAIMED IS:

1. An electronic data management system for using electronic data mutually among a plurality of computer systems classified into at least two types of computer system, comprising:

reference characteristic value extraction means for extracting a reference characteristic value from a copy of electronic data attached with a reference characteristic value obtained from original electronic data;

comparison subject characteristic value calculating means for calculating a comparison subject characteristic value from the copied electronic data and/or electronic data recopied from the original electronic data; and

determining means for determining authenticity of the copied electronic data and/or the recopied electronic data by comparing the reference characteristic value and the comparison subject characteristic value.

2. The electronic data management system according to claim 1, the computer systems being classified into a management computer system provided with the reference characteristic value extraction means, the comparison subject characteristic value calculating means, and the determining means, and a managed computer system not belonging to the managing computer system, wherein the source of the copied electronic data and/or the recopied electronic data is managed by the management computer system.

3. The electronic data management system according to claim 2, the computer management system being provided with reference characteristic value attaching means for attaching the reference characteristic value calculated based on the original electronic data to the original electronic data.

1        4. The electronic data management system according to claim 1, wherein
2    each item of electronic data is electronic drawing data, and each characteristic value is
3    a hash value calculated based on graphic information included in each item of
4    electronic drawing data.

1        5. The electronic data management system according to claim 2, wherein
2    each item of electronic data is electronic drawing data, and each characteristic value is
3    a hash value calculated based on graphic information included in each item of
4    electronic drawing data.

1        6. The electronic data management system according to claim 3, wherein
2    each item of electronic data is electronic drawing data, and each characteristic value is
3    a hash value calculated based on graphic information included in each item of
4    electronic drawing data.

1        7. The electronic data management system according to claim 2, the computer
2    system on a customer side being provided with determination means for determining
3    whether or not the product and the electronic drawing data coincide by comparing the
4    electronic drawing data taken as the copied electronic data sourced from the computer
5    system on the customer side, and/or the electronic drawing data taken as the copied
6    electronic data sourced from the computer system on a manufacturer side with the
7    product delivered by the computer system on the manufacturer side, wherein the
8    management computer system is the computer system on the customer side for
9    placing orders for manufacture of the product based on the electronic drawing data as
10    the original electronic data, and the managed computer system is the computer system
11    on manufacturer side for manufacturing the product ordered by the computer system
12    on the customer side and for delivering the product.

1        8. The electronic data management system according to claim 3, the computer
2    system on a customer side being provided with determination means for determining

3     whether or not the product and the electronic drawing data coincide by comparing the

4     electronic drawing data taken as the copied electronic data sourced from the computer

5     system on the customer side, and/or the electronic drawing data taken as the copied

6     electronic data sourced from the computer system on a manufacturer side with the

7     product delivered by the computer system on the manufacturer side, wherein the

8     management computer system is the computer system on the customer side for

9     placing orders for manufacture of the product based on the electronic drawing data as

10    the original electronic data, and the managed computer system is the computer system

11    on manufacturer side for manufacturing the product ordered by the computer system

12    on the customer side and for delivering the product.

1         9. The electronic data management system according to claim 1, wherein the

2     reference characteristic value is encrypted and embedded in the electronic data.

1        10. The electronic data management system according to claim 2, wherein the

2     reference characteristic value is encrypted and embedded in the electronic data.

1        11. The electronic data management system according to claim 3, wherein the

2     reference characteristic value is encrypted and embedded in the electronic data.

1        12. The electronic data management system according to claim 4, wherein the

2     reference characteristic value is encrypted and embedded in the electronic data.

1        13. The electronic data management system according to claim 5, wherein the

2     reference characteristic value is encrypted and embedded in the electronic data.

1        14. The electronic data management system according to claim 1, wherein the

2     reference characteristic value is embedded in the electronic data utilizing electronic

3     water-mark technology.

1       15. The electronic data management system according to claim 2, wherein the
2 reference characteristic value is embedded in the electronic data utilizing electronic
3 water-mark technology.

1       16. The electronic data management system according to claim 3, wherein the
2 reference characteristic value is embedded in the electronic data utilizing electronic
3 water-mark technology.

1       17. The electronic data management system according to claim 4, wherein the
2 reference characteristic value is embedded in the electronic data utilizing electronic
3 water-mark technology.

1       18. The electronic data management system according to claim 5, wherein the
2 reference characteristic value is embedded in the electronic data utilizing electronic
3 water-mark technology.

1       19. The electronic data management system according to claim 6, wherein the
2 reference characteristic value is embedded in the electronic data utilizing electronic
3 water-mark technology.

1       20. An electronic data management method for storing original electronic
2 drawing data and outputting the original electronic drawing data as the drawing data
3 of a product to be ordered from a manufacturer, comprising the steps of:
4       calculating a reference characteristic value from graphic information of the
5 original electronic drawing data in advance and outputting the original electronic
6 drawing data affixed with the reference characteristic value to the manufacturer; and
7       determining whether or not either of the copied electronic drawing data
8 and/or the recopied electronic drawing data have/has been altered by comparing the
9 reference characteristic value with the comparison object original value.